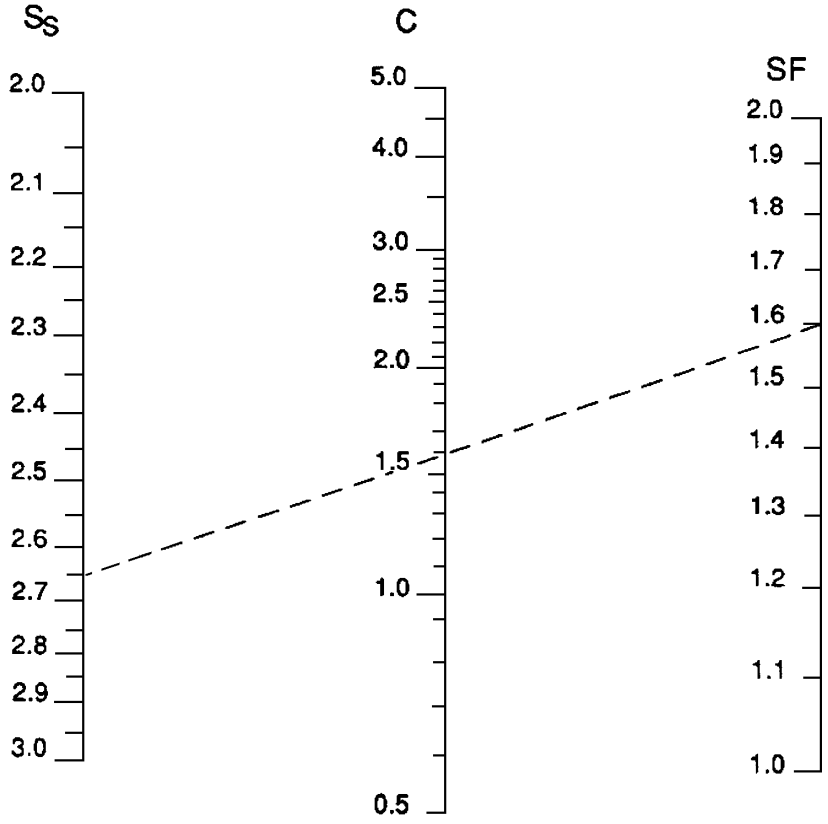
$$C=1.61SF^{1.5}/(S_S-1)^{1.5}$$

CORR=D_{50}CORRECTION FACTOR
SF = STABILITY FACTOR
S_S= SPECIFIC GRAVITY OF ROCK



Example:

Given: S_S=2.65, SF= 1.60

Find: C

Solution: C=1.59

Figure 7-28 Correction Factor For Riprap Size (metric or English)

Table 7-8 Guidelines For The Selection Of Stability Factors

Condition	Stability Factor Range
Uniform flow; Straight or mildly curving reach (curve radius/channel width > 30); Impact from wave action and floating debris is minimal; Little or no uncertainty in design parameters.	1.0 - 1.2
Gradually varying flow; Moderate bend curvature (30 >curve radius/channel width > 10); Impact from waves or floating debris moderate.	1.21 - 1.6
Approaching rapidly varying flow; Sharp bend curvature (10 > curve radius/channel width); Significant impact potential from floating debris and/or ice; Significant wind and/or boat generated waves (0.3 - 0.6 m (1-2 ft)); High flow turbulence; Turbulently mixing flow at bridge abutments; Significant uncertainty in design parameters.	1.61 - 2.0